

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1527390

Luminaire Tested: 24CGSB-90-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGSB-90-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

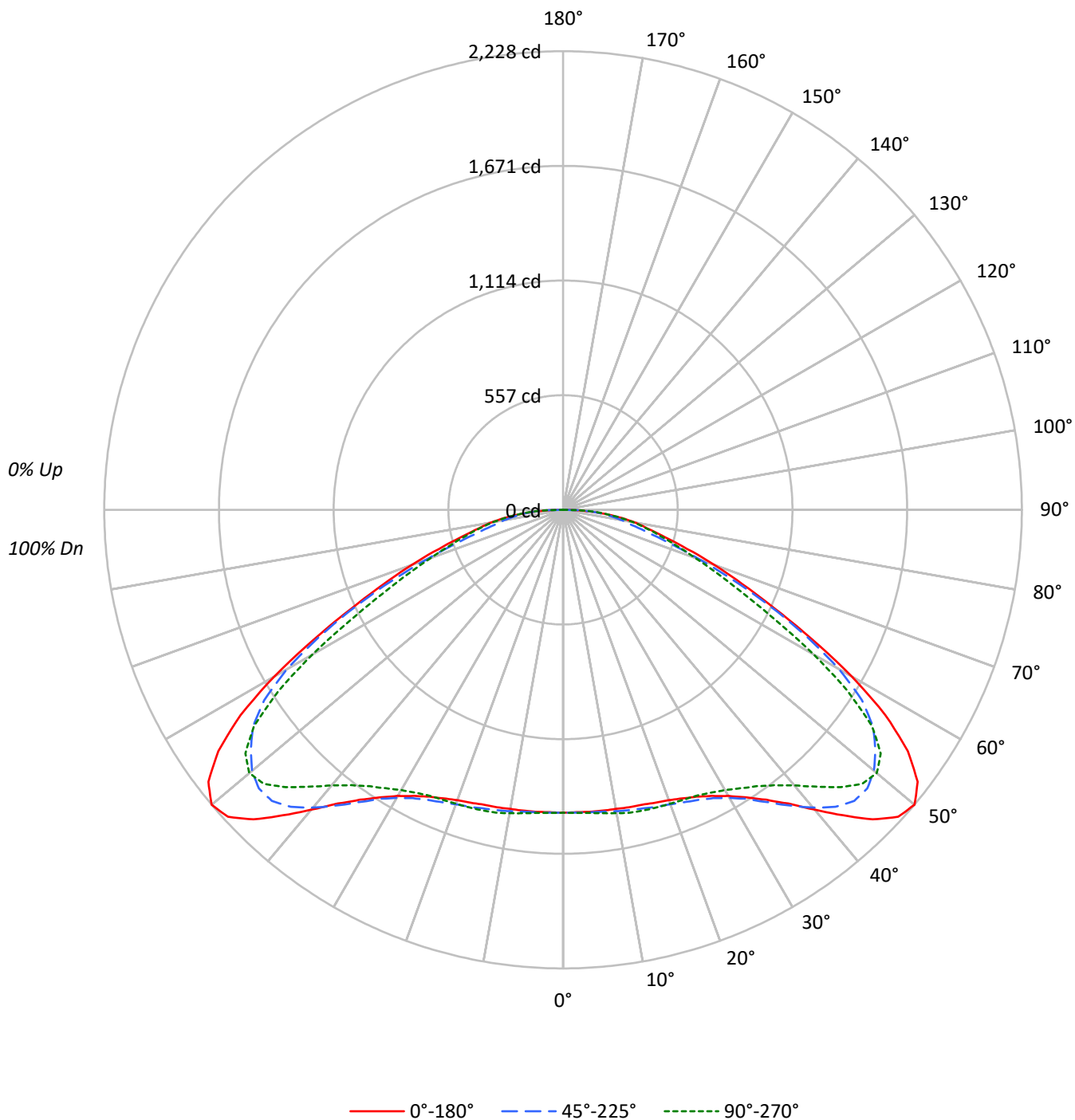
Lumens per Lamp: N/A
Luminaire Lumens: 7344.6 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 74.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1527390

CATALOG NUMBER: 24CGSB-90-A125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1527390

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84	82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56	54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47	44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39	37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34	31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1980	1980	1980
5°	1989	1992	1996
10°	2015	2031	2045
15°	2065	2092	2106
20°	2149	2180	2176
25°	2282	2309	2275
30°	2493	2511	2442
35°	2824	2849	2692
40°	3339	3317	3069
45°	4046	3804	3625
50°	4664	4126	4163
55°	4794	4311	4296
60°	4356	4165	3781
65°	3603	3538	3085
70°	3077	2771	2681
75°	2664	2208	2538
80°	2759	2237	2670
85°	2788	2689	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4798 cd/sqm

TEST NUMBER: P1527390

CATALOG NUMBER: 24CGSB-90-A125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	1.9
10°-20°	425.8	5.8
20°-30°	719.3	9.8
30°-40°	1082.8	14.7
40°-50°	1539.8	21.0
50°-60°	1652.5	22.5
60°-70°	1076.9	14.7
70°-80°	517.8	7.1
80°-90°	188.4	2.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1286.4	17.5
0°-40°	2369.2	32.3
0°-60°	5561.4	75.7
0°-90°	7344.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7344.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1471	1471	1471	1471	1471	
5°	1473	1474	1475	1480	1478	141
15°	1483	1490	1502	1511	1512	421
25°	1537	1551	1555	1541	1532	716
35°	1719	1752	1734	1676	1639	1091
45°	2126	2074	1999	1947	1905	1632
55°	2044	1991	1838	1784	1831	1788
65°	1132	1123	1111	992	969	1145
75°	512	484	425	483	488	563
85°	181	169	174	179	192	197
90°	0	0	0	0	0	

TEST NUMBER: P1527390

CATALOG NUMBER: 24CGSB-90-A125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1471.3	1471.3	1471.3	1471.3	1471.3
2.5°	1470.0	1471.3	1472.6	1473.9	1473.9
5°	1472.6	1473.9	1475.1	1480.2	1477.7
7.5°	1473.9	1475.1	1478.9	1486.6	1486.6
10°	1475.1	1478.9	1486.6	1494.2	1496.7
12.5°	1480.2	1484.0	1494.2	1504.4	1506.9
15°	1482.8	1490.4	1501.8	1510.7	1512.0
17.5°	1491.7	1499.3	1512.0	1515.8	1515.8
20°	1500.6	1510.7	1522.2	1522.2	1519.6
22.5°	1517.1	1528.5	1537.4	1529.8	1524.7
25°	1537.4	1551.4	1555.2	1541.3	1532.4
27.5°	1566.7	1584.5	1579.4	1560.3	1548.9
30°	1604.8	1627.7	1616.3	1588.3	1571.8
32.5°	1655.7	1683.7	1664.6	1629.0	1603.6
35°	1719.3	1752.4	1734.5	1676.1	1639.2
37.5°	1798.1	1832.5	1810.8	1735.8	1686.2
40°	1901.1	1918.9	1888.4	1807.0	1747.3
42.5°	2013.0	2004.1	1957.1	1882.1	1823.6
45°	2126.2	2074.1	1999.1	1946.9	1905.0
47.5°	2207.6	2111.0	2004.1	1977.4	1969.8
50°	2228.0	2103.3	1971.1	1960.9	1988.9
52.5°	2170.7	2062.6	1911.3	1893.5	1944.4
55°	2043.6	1991.4	1837.6	1784.1	1831.2
57.5°	1856.6	1852.8	1720.6	1625.2	1637.9
60°	1618.8	1634.1	1547.6	1412.8	1405.2
62.5°	1362.0	1370.9	1332.7	1192.8	1166.1
65°	1131.8	1122.9	1111.4	991.9	969.0
67.5°	942.3	915.6	897.8	825.3	813.9
70°	782.1	740.1	704.5	693.1	681.6
72.5°	633.3	602.8	545.5	577.3	576.1
75°	512.5	484.5	424.7	483.2	488.3
77.5°	419.6	400.6	343.3	396.8	413.3
80°	356.1	316.6	288.7	323.0	344.6
82.5°	272.1	241.6	235.3	249.2	269.6
85°	180.6	169.1	174.2	179.3	192.0
87.5°	91.6	97.9	105.5	114.4	120.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527390

CATALOG NUMBER: 24CGSB-90-A125-L930

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.8	20.5	19.1	20.9	21.2	17.9	19.6	18.2	20.0	20.3
	3H	19.9	21.5	20.2	21.8	22.2	19.0	20.6	19.4	20.9	21.3
	4H	20.3	21.8	20.7	22.1	22.5	19.5	21.0	19.9	21.3	21.7
	6H	20.6	22.0	21.0	22.4	22.8	19.9	21.3	20.3	21.7	22.1
	8H	20.8	22.1	21.2	22.5	22.9	20.1	21.5	20.5	21.8	22.2
	12H	20.9	22.2	21.3	22.6	23.0	20.3	21.6	20.7	22.0	22.4
4H	2H	19.2	20.7	19.6	21.0	21.4	18.4	19.9	18.8	20.3	20.7
	3H	20.5	21.7	20.9	22.1	22.5	19.7	21.0	20.1	21.4	21.8
	4H	21.0	22.1	21.4	22.5	23.0	20.3	21.5	20.7	21.9	22.3
	6H	21.5	22.5	21.9	22.9	23.4	20.9	21.9	21.3	22.4	22.8
	8H	21.7	22.6	22.1	23.1	23.5	21.2	22.1	21.6	22.6	23.0
	12H	21.9	22.7	22.3	23.2	23.7	21.4	22.3	21.9	22.7	23.2
8H	4H	21.1	22.1	21.6	22.5	23.0	20.5	21.5	21.0	21.9	22.4
	6H	21.7	22.5	22.2	23.0	23.5	21.2	22.0	21.7	22.5	23.0
	8H	22.0	22.7	22.5	23.2	23.7	21.6	22.3	22.1	22.8	23.3
	12H	22.3	23.0	22.8	23.4	24.0	21.9	22.6	22.4	23.1	23.6
12H	4H	21.2	22.0	21.6	22.5	23.0	20.6	21.4	21.0	21.9	22.4
	6H	21.8	22.5	22.3	23.0	23.5	21.3	22.0	21.8	22.5	23.0
	8H	22.1	22.8	22.6	23.3	23.8	21.7	22.4	22.2	22.8	23.4















(END OF REPORT)